

In Claim 19, line 1, delete "formulation" and insert -- composition --.

20. (Once Amended) A pharmaceutical composition comprising:
the products of co-culture[s] of a plurality of first cells and a plurality of second cells; and
a suitable pharmaceutical carrier;
wherein said first cells are antigen presenting cells selected from the group consisting of macrophages, B-cells and dendritic cells, and said second cells are selected from the group consisting of tumor cells and virally infected cells, and wherein said first cells present an array of antigens from said second cells.

31. (Once Amended) a method for treating a patient comprising:
administering to said patient an effective amount of a [formulation] composition comprising the products of co-culture of a plurality of first cells and a plurality of second cells; wherein said first cells are antigen presenting cells selected from the group consisting of macrophages, B-cells and dendritic cells, and said second cells are selected from the group consisting of tumor cells and virally infected cells;
wherein said first cells present an array of antigens from said second cells and wherein said administration results in stimulation of a CTL response.

REMARKS

The present claims are generally directed to compositions comprising the products of co-culture of two types of cells, antigen presenting cells and either tumor cells or virally infected cells. As disclosed in the specification on page 4, lines 12 through 19, the co-cultured cells of the present invention provide an array of tumor antigens or viral antigens that can be delivered to the endogenous pathway of APCs from MHC Class I specific presentation and CTL stimulation. The co-culture products express properties of both APCs and tumor or virally infected cells; the products are capable of priming a CTL response. As is further discussed on page 4, lines 26 through 28, delivery of an array of antigens from a tumor cell or a virally infected cell provides a mechanism for broad, polyvalent immunization.

The Flamand and Mayordomo references, cited in the recent Office Action, teach the identification and presentation of a specific antigen to a dendritic cell; the result is a dendritic cell that is pulsed with only this specific antigen. The present invention